

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application of:

Applicant(s): Ohmuro et al.

Divisional of Serial No.: 08/939,822

Conf. No.: 4294

Parent Filed: September 29, 1997

For: LIQUID CRYSTAL DISPLAY
DEVICE INCLUDING FIRST AND
SECOND RETARDATION FILMS

Art Unit: 2971

Examiner: Parker, Kenneth

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)
) I hereby certify that this paper is being deposited with the United
) States Postal Service as EXPRESS MAIL in an envelope
) addressed to: Commissioner for Patents, P.O. Box 1450,
) Alexandria, VA 22313-1450, on this date.
) 9-22-03 David Coman
) Date Express Mail Label No.: EL846225571 US

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within either of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the national application or the date of entry into the national stage; or
- (b) before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO-1449 U.S. Department of Commerce (Rev. 8-88) Patent and Trademark Office		Attorney Docket No.: 0941.68342		Divisional of Serial No.: 08/939,822	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Ohmuro et al.			
		Filing Date: September 29, 1997		Group: 2871	

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	3,910,680	Oct. 7, 1975	Kakeda			
	4,398,803	Aug. 16, 1983	Pohl et al.			
	4,701,028	Oct. 20, 1987	Clerc et al.			
	4,957,349	Sept. 18, 1990	Clerc et al.			
	5,138,474	Aug. 11, 1992	Arakawa			
	5,235,450	Aug. 10, 1993	Yoshimura et al.			
	5,309,264	May 3, 1994	Lien et al.			
	5,313,562	May 17, 1994	Wiltshire			

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		50-93665	Jul. 25, 1975	Japan				X
		1475378	June 1, 1977	Great Britain			X	
		53-120299	Oct. 20, 1978	Japan			X	
		57-618	Jan. 5, 1982	Japan			Abs.	
		57-40229	March 5, 1982	Japan				X
		60-211421	Oct. 23, 1985	Japan			Abs.	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	S. Yamaguchi, M. Alzawa, J.F. Clerc, T. Uchida, J. Duchene, "Homeotropic-Alignment Full-Color LCD" SID '89 Digest pages 378-381.
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	F. Clerc "Electro-optical limits of the electrically controlled birefringence effect in nematic liquid crystals", Displays, pages 341-347, Oct. 1981.

Examiner	Date Considered
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*Examiner:	Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
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	5,477,358	Dec. 19, 1995	Rosenblatt et al.			
	5,602,662	Feb. 11, 1997	Rosenblatt et al.			
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						Yes	No
	661361	July 15, 1987	Switzerland				X
	62-180326	Aug. 7, 1987	Japan			Abs.	
	2595156	Sept. 4, 1987	France				X///
	0350382	Jan. 10, 1990	European Patent Office			X	
	2-15239	Jan. 18, 1990	Japan				X
	2-176625	Jul. 9, 1990	Japan			Abs.	
	2-548979	Jul. 9, 1990	Japan			Abs.	
	2-242225	Sep. 26, 1990	Japan			Abs.	
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	03-103822	Apr. 30, 1991	Japan			Abs.	
	3-223812	Oct. 2, 1991	Japan			Abs.	
	03-243919	Oct. 30, 1991	Japan			Abs.	

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	5,808,705	Sep. 15, 1998	Hishida et al.			
	6,057,901	May 2, 2000	Xu			
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	6,141,075	Oct. 31, 2000	Ohmuro et al.			
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						Yes	No
	4-14329	Mar. 12, 1992	Japan				X
	04-153621	May 27, 1992	Japan			Abs.	
	4-225325	Aug. 14, 1992	Japan			Abs.	
	05-66401	Mar. 19, 1993	Japan			Abs.	
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	95/00879	Jan. 5, 1995	World Property Organization			X	
	7-13164	Jan 17, 1995	Japan			Abs.	
	7-28063	Jan. 31, 1995	Japan			Abs.	
	7-191320	Jul. 28, 1995	Japan				X
	07-244280	Sep. 19, 1995	Japan			Abs.	
	96/10774	Apr. 11, 1996	World Property Organization			X	
	8-43825	Feb. 16, 1996	Japan				X

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	08-122750	May 17, 1996	Japan			Abs.	
	8-201802	Aug. 9, 1996	Japan			Abs.	
	9-29455	Feb. 4, 1997	Japan				X
	10-123576	May 15, 1998	Japan			Abs.	

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